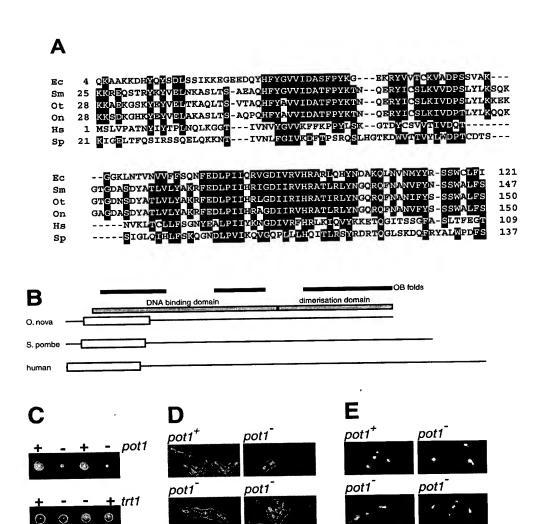
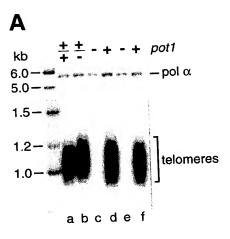
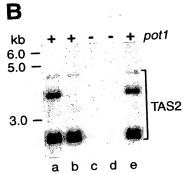


FIGURE 1









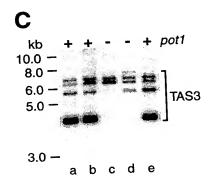
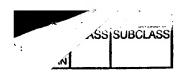


FIGURE 2



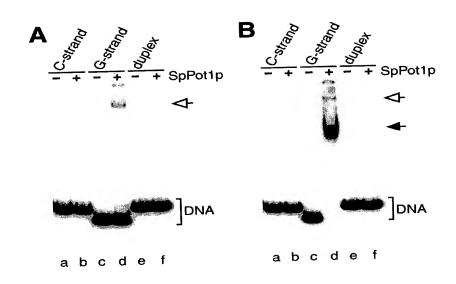
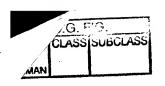
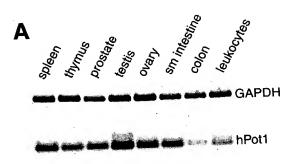


FIGURE 3





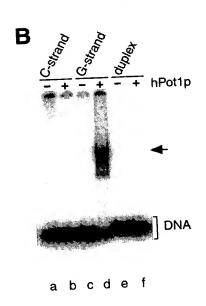


FIGURE 4

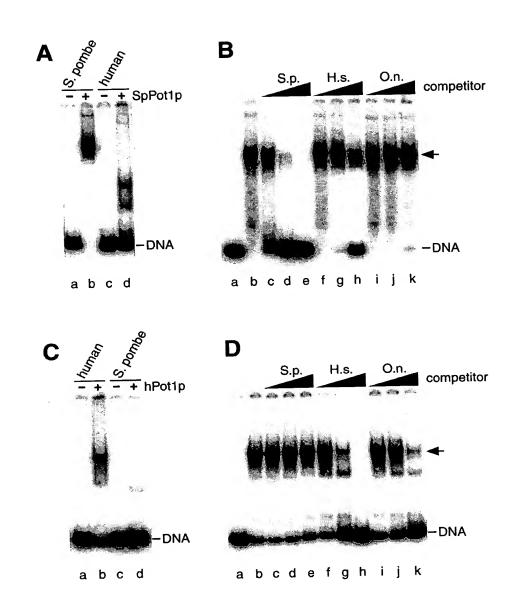
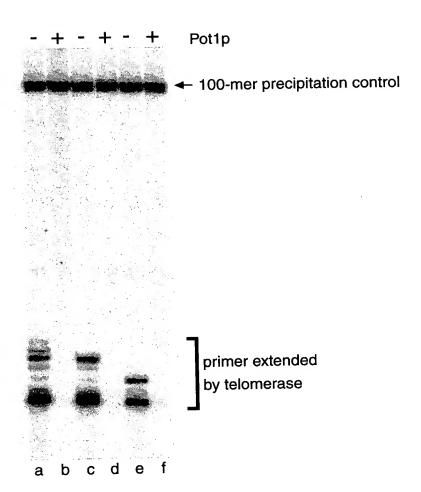


FIGURE 5

FIGURE 6



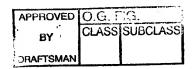


FIGURE 7

13020 tatgagtgaa gttccatcca 13080 tgatgcaaaa agccatgctg tcaaccttaa aaagtatatc ggccattccc gatgatgtac 13140 cccctcctta ttctgagttt gctgatgata cgacagcgca agctggttct agtaaaagag 13200 atagegetat atetgaagat eeegateate acaaaagtgt tiggtiggtet tigagatgge 13260 aatotoggot tgttggtogt ggaaaatota otgotottac tootgaagaa accagagoaa 13320 tacaggagca ggcaaagaca ctgaaaaagg caggaatgga ctttatgcta ttctctttct ggttacctgc cctacttttg ctgagtatct ttggtcttcg aagctatgct caaatgatcg 13380 ggggatattt atatcgctgc ataattggca tttaggtttg acgaacaacc atgcatgttt 13440 ttttctttct tttagtttta ttcttttttg tagattatga gcaaactact gtcaaaactt 13500 aggtattatg acaatgaaat cgtatatatt atattcgatt ggatcaattt tttattatat 13560 tgaaagtaat tgcttatttt gtaagttaaa cttacatggg tttaaacgca tagagcaggt tggcgctttt aaaaccaaaa tagatcgttg caggtttgct gttctggatc gtgaatgcaa 13620 13680 taccttagga aagtetttta ataagetate getttttgca ttgcattett tttctaaact 13740 gaacgttaga ttagctaaag taagcgtctt gagttttcga gatgaaccgc atacattaaa 13800 atttttaagt accaattggc atgaaccggt atgcgatctg cttattataa tactagtaaa 13860 tettgatact eggcaaacte tttcaataat agectageag aaactgggat atgtetaaag ttttacaact gegeteaget taaggaettt aeggegatee atttaatage tagecatgaa 13920 13980 cactcataac ctcaagattg aggagtgggt cattcttttg cttgataaag aaacaaattc attattggta aaataaaact gaataaccct tagttcatcc taggaatttg aagaagggga 14040 14100 attatiggta adatadatic gardateet tagiteatee taggattig adgatgggga atgateaage ttgaacaagt aacteteacg cagtetattg aataatetga aggtteatee etteaaggg gttgtettgg tttaaaaagg ttttaccaat tecattagg ttetgaagaa aggetaaaac teattgttg ttettaaagg atatttggat cattegttga teaagcatgg 14160 14220 14280 gagaggacgt tattgacagt cttcagttga atgagttatt aaatgctgga gaatataaga 14340 14400 ttggagtgag atatcaatgg atttatattt gttttgctaa caatgaaaaa ggaacttaca tttcagtcca ttagaagctc tcaagaatta caaaagaaga atactattgt caatttgttt 14460 ggaatagtaa aagattttac ccctagtcgc caaagtctac atggaactaa gggtatgctt 14520 gcttatcatg gtggaaacta tacttttat ttttccagtc aagagctaat aatcatgttt 14580 ttagattggg taaccaccgt atatttgtgg gatccaacat gtgatacatc aagcatcgga ctacagatac acttgttcag caaacaggga aatgatttgc ctgtaatcaa gcaggtgggg 14640 14700 caaccgcttt tgcttcatca aatcacatta agaagttata gagacaggac tcaaggtttg 14760 tctaaggatc aatttcgata tgcactttgg ccagactttt cttctaattc caaagatact 14820 ctctgtcctc aaccaatgcc tcgtttaatg aaaacgggag acaaggaaga gcaattcgcc 14880 ttgttgttaa ataaaatttg ggatgagcaa actaataaac ataaaaatgg cgaattattg 14940 agtacetett etgetegtea aaateaaaet ggattgagtt accettetgt etettttet 15000 ctgctatcac aaataactcc acatcaacgt tgtagctttt acgctcaggt aattaaaact 15060 tggtacagtg ataaaaactt tactctttat gtcactgatt atacggaaaa tgagcttttt 15120 tttccaatgt ctccgtatac tagctcctcg agatggaggg gcccttttgg tcggttttct ataaggtgca ttttatggga tgagcacgac ttttactgcc gcaactacat taaagaaggt 15180 15240 gactatgtgg tratgaaaaa tgtgcgaacc aaaattgatc accttggtta tctggaatgt 15300 atacttcatg gggattcagc aaaacgttat aatatgagta tagaaaaagt cgattcggaa 15360 gaacccgaac taaacgaaat taagtcacgt aaaaggcttt atgttcagaa ttgccaaaat 15420 ggtatagaag cagtaatcga gaaactcagt caaagccaac aatcggaaaa tccttttatc 15480 gcccatgaat taaagcaaac ttctgttaat gaaattacgg cccatgtcat aaatgaacct 15540 gccatydat tadaycada tectyttaat yaaattatyy ceettytet datydatet gctagtttaa aattgactac tatttetacc atactteatg cacetttgea gaatettete aaaccgagga aacatagget acgegtteag gtggtagatt tttggccaaa gagtttgacg cagtttgctg tgctatetea accaccatet tegtatgtt ggatgtttgc ettgetegta 15600 15660 15720 agggatgtat cgaatgtgac tttaccggtc atattttttg attctgacgc tgcggaactt 15780 attaacaget caaaaateca acettgeaat ttagetgate accegeagat gactetteag 15840 cttaaagaaa gattatttct gatttggggg aacttggaag aacgcattca gcatcacata 15900 tcgaagggtg aatcgccaac tctggctgct gaagatgttg aaacaccatg gtttgatata 15960 tatgtcaaag aatacattcc tgtaattggg aacaccaaag accatcaatc tttgactttt 16020 cttcagaagc gctggcgagg atttggcacg aaaattgttt gactattgtg atacaaaact 16080 tacaataatg aaatgcttac ggaaaagaaa cataagaaaa acaatattta aatttaagga aagctctata ttgggagaat tttataaagc gagcgaattt gtactaagga aaaacacaga 16140 16200 ggggaaacgt gaaatatcta attgcttaga ctttatataa catcaacttc gaaataatct 16260 tagaaattaa ttacaaaaat aataaggatt ggtttgatgt atggtggtta catctaagca 16320 ggcttttgct tagaagttgc aagtgttgag gcatcatcat cactttcatc gtcaacagcg aatagagctt gatgctcatc ggcactgcca tgaataatat gagggttggc tggagatgta 16380 16440 ggacgctcat gatgcagatg caaactatca tttgagagag aggaagtcat ctcaaactca 16500 tctacatctt gagcaacttg ctcactcatt gcgaaacgac ggttattctc ggtaggacgc 16560 cacaagtaca aaatggtaag catcaagatc aaaacaagaa tatcagtgta tccgtaatta 16620 aggaaccaaa gaagtttcca gtattttaag taatagttca tttgaccgta gataccaatc 16680 aaaatggcat tggctgcgac aatcgaagca taagcgacaa tgccaaaaca tataacaatc 16740 caaagacgag tatacatctg agccttaaca gtttgcttac gaatacggag atcacgaatt 16800 gtattattta aagccaatac aatccaaagg aacatagcga agagggtgat taaaaagaca 16860 ggagcggcaa acaaaatgac caaagactct ttattagatg ggctaatgaa caaagatgac 16920 aagaaaaagc atgaagaaac gaactgcaaa ccagcaagaa tttgacactt acgaagaaga 16980

APPROVED	O.G. FIG.		
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FIGURE 8A

a at gat caa get t gaa caa g taac tet cae ge a g tet at t gaa ta at et gaa g g t te at cae t t te a g g g g t t g tet t g g t t t a a a a a g et t t t a ce at t ce a g g g g t t g tet t g g t t t a a a a a g et t t t a ce at t ce a g g g g t t g t et t g g t t t a a a a a g et t t t a ce at t ce a g g g g t t g t et t g g t t t a a a a a g et t t t a ce at t ce a g g g g t t g t et t g g t t t a a a a a g et t t t a ce at t ce a g g g g t t g t et t g g t t t a a a a a g et t t a ce at t ce a g g g g t t g t et t g g t t a a a a a g et t t a ce at t ce a g g g g t t g t et t g g t t a a a a a g et t t a ce at t ce a g g g g t t g t et t g g t t a a a a a g et t t a ce at t ce a g g g g t t g t et t g g t t a a a a a g et t t a ce at t ce a g g g g t t g t et t g g t t a a a a a g et t t t a ce at t ce a g g g g t t g et t a ce at t ce a g g g g t t g t et t g g t t a a a a a g et t t a ce at t ce a g g g g t t g et t a ce at t ce a g g g g t t g et t a ce at t ce a g g g g t t g et t a ce at t ce a g g g g t g et t a ce at t ce a g g g g t g et t a ce at t ce a g g g g t g et t a ce at t ce a g g g g t c at t ce atCAGTCTTCAGTTGAATGAGTTATTAAATGCTGGAGAATATAAGATTGGAGAACTTACATTT TAGTAAAAGATTTTACCCCTAGTCGCCAAAGTCTACATGGAACTAAGGATTGGGTAACCA CCGTATATTTGTGGGATCCAACATGTGATACATCAAGCATCGGACTACAGATACACTTGTT CAGCAAACAGGGAAATGATTTGCCTGTAATCAAGCAGGTGGGGCAACCGCTTTTGCTTCA TCAAATCACATTAAGAAGTTATAGAGACAGGACTCAAGGTTTGTCTAAGGATCAATTTCGA TATGCACTTTGGCCAGACTTTTCTTAATTCCAAAGATACTCTCTGTCCTCAACCAATGCC GGATGAGCAAACTAATAAACATAAAAATGGCGAATTATTGAGTACCTCTTCTGCTCGTCAA AATCAAACTGGATTGAGTTACCCTTCTGTCTCTTTTTCTCTGCTATCACAAATAACTCCACA TCAACGTTGTAGCTTTTACGCTCAGGTAATTAAAACTTGGTACAGTGATAAAAACTTTACT CTTTATGTCACTGATTATACGGAAAATGAGCTTTTTTTTCCAATGTCTCCGTATACTAGCTC CTCGAGATGGAGGGCCCTTTTGGTCGGTTTTCTATAAGGTGCATTTTATGGGATGAGCAC GACTTTTACTGCCGCAACTACATTAAAGAAGGTGACTATGTGGTTATGAAAAAATGTGCGAA CCAAAATTGATCACCTTGGTTATCTGGAATGTATACTTCATGGGGATTCAGCAAAACGTTA TAATATGAGTATAGAAAAAGTCGATTCGGAAGAACCCGAACTAAACGAAATTAAGTCACG TAAAAGGCTTTATGTTCAGAATTGCCAAAATGGTATAGAAGCAGTAATCGAGAAACTCAG TCAAAGCCAACAATCGGAAAATCCTTTTATCGCCCATGAATTAAAGCAAACTTCTGTTAAT GAAATTACGGCCCATGTCATAAATGAACCTGCTAGTTTAAAATTGACTACTATTTCTACCA TACTTCATGCACCTTTGCAGAATCTTCTCAAACCGAGGAAACATAGGCTACGCGTTCAGGT GGTAGATTTTTGGCCAAAGAGTTTGACGCAGTTTGCTGTGCTATCTCAACCACCATCTTCG TATGTTTGGATGTTTGCCTTGCTCGTAAGGGATGTATCGAATGTGACTTTACCGGTCATATT TTTTGATTCTGACGCTGCGGAACTTATTAACAGCTCAAAAATCCAACCTTGCAATTTAGCT GATCACCCGCAGATGACTCTTCAGCTTAAAGAAAGATTATTTCTGATTTGGGGGAACTTGG AAGAACGCATTCAGCATCACATATCGAAGGGTGAATCGCCAACTCTGGCTGCAGAGATG TTGAAACACCATGGTTTGATATATGTCAAAGAATACATTCCTGTAATTGGGAACACCAA AGACCATCAATCTTTGACTTTTCTTCAGAAGCGCTGGCGAGGATTTGGCACGAAAATTGTT tttataaagcgagcgaatttgtactaaggaaaaacacaga

FIGURE 8B

MGEDVIDSLQLNELLNAGEYKIGELTFQSIRSSQELQKKNTIVNLFGIV
KDFTPSRQSLHGTKDWVTTVYLWDPTCDTSSIGLQIHLFSKQGNDLPVI
KQVGQPLLLHQITLRSYRDRTQGLSKDQFRYALWPDFSSNSKDTLCPQP
MPRLMKTGDKEEQFALLLNKIWDEQTNKHKNGELLSTSSARQNQTGLSY
PSVSFSLLSQITPHQRCSFYAQVIKTWYSDKNFTLYVTDYTENELFFPM
SPYTSSSRWRGPFGRFSIRCILWDEHDFYCRNYIKEGDYVVMKNVRTKI
DHLGYLECILHGDSAKRYNMSIEKVDSEEPELNEIKSRKRLYVQNCQNG
IEAVIEKLSQSQQSENPFIAHELKQTSVNEITAHVINEPASLKLTTIST
ILHAPLQNLLKPRKHRLRVQVVDFWPKSLTQFAVLSQPPSSYVWMFALL
VRDVSNVTLPVIFFDSDAAELINSSKIQPCNLADHPQMTLQLKERLFLI
WGNLEERIQHHISKGESPTLAAEDVETPWFDIYVKEYIPVIGNTKDHQS
LTFLQKRWRGFGTKIV

FIGURE 8C

ATGGGAGAGGACGTTATTGACAGTCTTCAGTTGAATGAGTTATTAAATGCTGGAGAATATA AGATTGGAGAACTTACATTTCAGTCCATTAGAAGCTCTCAAGAATTACAAAAGAAGAATA CTATTGTCAATTTGTTTGGAATAGTAAAAGATTTTACCCCTAGTCGCCAAAGTCTACATGG AACTAAGGg tatgett gettat cat gg t gg aaact at a cttttt at ttttc cag te aa gag et aat aat cat gt tttt ag ATTGGGTAACCAC and the state of the state oCGTATATTTGTGGGATCCAACATGTGATACATCAAGCATCGGACTACAGATACACTTGTTC AGCAAACAGGGAAATGATTTGCCTGTAATCAAGCAGGTGGGGCAACCGCTTTTGCTTCAT CAAATCACATTAAGAAGTTATAGAGACAGGACTCAAGGTTTGTCTAAGGATCAATTTCGAT ATGCACTTTGGCCAGACTTTTCTTAATTCCAAAGATACTCTCTGTCCTCAACCAATGCCT GATGAGCAAACTAATAAACATAAAAATGGCGAATTATTGAGTACCTCTTCTGCTCGTCAAA ATCAAACTGGATTGAGTTACCCTTCTGTCTCTTTTTCTCTGCTATCACAAATAACTCCACAT CAACGTTGTAGCTTTTACGCTCAGGTAATTAAAACTTGGTACAGTGATAAAAACTTTACTC TTTATGTCACTGATTATACGGAAAATGAGCTTTTTTTTCCAATGTCTCCGTATACTAGCTCC TCGAGATGGAGGGCCCTTTTGGTCGGTTTTCTATAAGGTGCATTTTATGGGATGAGCACG ACTTTTACTGCCGCAACTACATTAAAGAAGGTGACTATGTGGTTATGAAAAATGTGCGAAC CAAAATTGATCACCTTGGTTATCTGGAATGTATACTTCATGGGGATTCAGCAAAACGTTAT AATATGAGTATAGAAAAAGTCGATTCGGAAGAACCCGAACTAAACGAAATTAAGTCACGT AAAAGGCTTTATGTTCAGAATTGCCAAAATGGTATAGAAGCAGTAATCGAGAAACTCAGT CAAAGCCAACAATCGGAAAATCCTTTTATCGCCCATGAATTAAAGCAAACTTCTGTTAATG AAATTACGGCCCATGTCATAAATGAACCTGCTAGTTTAAAATTGACTACTATTTCTACCAT ACTTCATGCACCTTTGCAGAATCTTCTCAAACCGAGGAAACATAGGCTACGCGTTCAGGTG GTAGATTTTTGGCCAAAGAGTTTGACGCAGTTTGCTGTGCTATCTCAACCACCATCTTCGT ATGTTTGGATGTTTGCCTTGCTCGTAAGGGATGTATCGAATGTGACTTTACCGGTCATATTT TTTGATTCTGACGCTGCGGAACTTATTAACAGCTCAAAAATCCAACCTTGCAATTTAGCTG ATCACCCGCAGATGACTCTTCAGCTTAAAGAAAGATTATTTCTGATTTGGGGGAACTTGGA AGAACGCATTCAGCATCACATATCGAAGGGTGAATCGCCAACTCTGGCTGCTGAAGATGT TGAAACACCATGGTTTGATATATGTCAAAGAATACATTCCTGTAATTGGGAACACCAAA GACCATCAATCTTTGACTTTTCTTCAGAAGCGCTGGCGAGGATTTGGCACGAAAATTGTTT GA

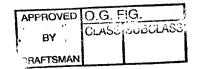


FIGURE 8D

MGEDVIDSLQLNELLNAGEYKIGELTFQSIRSSQELQKKNTIVNLFGIV
KDFTPSRQSLHGTKGMLAYHGGNYTFYFSSQELIIMFLDWVTTVYLWDP
TCDTSSIGLQIHLFSKQGNDLPVIKQVGQPLLLHQITLRSYRDRTQGLS
KDQFRYALWPDFSSNSKDTLCPQPMPRLMKTGDKEEQFALLLNKIWDEQ
TNKHKNGELLSTSSARQNQTGLSYPSVSFSLLSQITPHQRCSFYAQVIK
TWYSDKNFTLYVTDYTENELFFPMSPYTSSSRWRGPFGRFSIRCILWDE
HDFYCRNYIKEGDYVVMKNVRTKIDHLGYLECILHGDSAKRYNMSIEKV
DSEEPELNEIKSRKRLYVQNCQNGIEAVIEKLSQSQQSENPFIAHELKQ
TSVNEITAHVINEPASLKLTTISTILHAPLQNLLKPRKHRLRVQVVDFW
PKSLTQFAVLSQPPSSYVWMFALLVRDVSNVTLPVIFFDSDAAELINSS
KIQPCNLADHPQMTLQLKERLFLIWGNLEERIQHHISKGESPTLAAEDV
ETPWFDIYVKEYIPVIGNTKDHQSLTFLQKRWRGFGTKIV

APPROVED O.G. F.G.

BY , CLASS SUBCLASS

FIGURE 9A

ATGTCTTTGGTTCCAGCAACAAATTATATATATACACCCCTGAATCAACTTAAGGGTGGTA CAATTGTCAATGTCTATGGTGTTGTGAAGTTCTTTAAGCCCCCATATCTAAGCAAAGGAAC TTTAGTGGAAACTATGAAGCCCTTCCAATAATTTATAAAAATGGAGATATTGTTCGCTTTC ACAGGCTGAAGATTCAAGTATATAAAAAGGAGACTCAGGGTATCACCAGCTCTGGCTTTG TTTTAACTTCACTACTGAGGACCACAAAATGGTAGAAGCCTTACGTGTTTGGGCATCTACT CATATGTCACCGTCTTGGACATTACTAAAATTGTGTGATGTTCAGCCAATGCAGTATTTTG ACCTGACTTGTCAGCTCTTGGGCAAAGCAGAAGTGGACGGAGCATCATTTCTTCTAAAGGT ATGGGATGGCACCAGGACACCATTTCCATCTTGGAGAGTCTTAATACAAGACCTTGTTCTT GAAGGTGATTTAAGTCACATCCATCGGCTACAAAATCTGACAATAGACATTTTAGTCTACG ATAACCATGTTCATGTGGCAAGATCTCTGAAGGTTGGAAGCTTTCTTAGAATCTATAGCCT TCATACCAAACTTCAATCAATGAATTCAGAGAATCAGACAATGTTAAGTTTAGAGTTTCAT CTTCATGGAGGTACCAGTTACGGTCGGGGAATCAGGGTCTTGCCAGAAAGTAACTCTGAT GTGGATCAACTGAAAAAGGATTTAGAATCTGCAAATTTGACAGCCAATCAGCATTCAGAT GTTATCTGTCAATCAGAACCTGACGACAGCTTTCCAAGCTCTGGATCAGTATCATTATACG AGGTAGAAAGATGTCAACAGCTATCTGCTACAATACTTACAGATCATCAGTATTTGGAGA GGACACCACTATGTGCCATTTTGAAACAAAAAGCTCCTCAACAATACCGCATCCGAGCAA AATTGAGGTCATATAAGCCCAGAAGACTATTTCAGTCTGTTAAACTTCATTGCCCTAAATG TCATTTGCTGCAAGAAGTTCCACATGAGGGCGATTTGGATATAATTTTTCAGGATGGTGCA ACTAAAACCCCAGTTGTCAAGTTACAAAATACATCATTATATGATTCAAAAATCTGGACCA CTAAAAATCAAAAAGGACGAAAAGTAGCAGTTCATTTTGTGAAAAATAATGGTATTCTCC CGCTTTCAAATGAATGTCTACTTTTGATAGAAGGAGGTACACTCAGTGAAATTTGCAAACT CTCGAACAAGTTTAATAGTGTAATTCCTGTGAGATCTGGCCACGAAGACCTGGAACTTTTG GACCTTTCAGCACCATTTCTTATACAAGGAACAATACATCACTATGGATGTAAACAGTGTT CTAGTTTGAGATCCATACAAAATCTAAATTCCCTGGTTGATAAAACATCGTGGATTCCTTC CTTGATGATGGAACAGGAGTACTAGAAGCCTATCTCATGGATTCTGACAAATTCTTCCAGA TTCCAGCATCAGAAGTTCTGATGGATGATGACCTTCAGAAAAGTGTGGATATGATCATGGA TATGTTTTGTCCTCCAGGAATAAAAATTGATGCATATCCGTGGTTGGAATGCTTCATCAAG TCATACAATGTCACAAATGGAACAGATAATCAAATTTGCTATCAGATTTTTGACACCACAG TTGCAGAAGATGTAATCTAA

FIGURE 9B

MSLVPATNYIYTPLNQLKGGTIVNVYGVVKFFKPPYLSKGTDYCSVVTI
VDQTNVKLTCLLFSGNYEALPIIYKNGDIVRFHRLKIQVYKKETQGITS
SGFASLTFEGTLGAPIIPRTSSKYFNFTTEDHKMVEALRVWASTHMSPS
WTLLKLCDVQPMQYFDLTCQLLGKAEVDGASFLLKVWDGTRTPFPSWRV
LIQDLVLEGDLSHIHRLQNLTIDILVYDNHVHVARSLKVGSFLRIYSLH
TKLQSMNSENQTMLSLEFHLHGGTSYGRGIRVLPESNSDVDQLKKDLES
ANLTANQHSDVICQSEPDDSFPSSGSVSLYEVERCQQLSATILTDHQYL
ERTPLCAILKQKAPQQYRIRAKLRSYKPRRLFQSVKLHCPKCHLLQEVP
HEGDLDIIFQDGATKTPVVKLQNTSLYDSKIWTTKNQKGRKVAVHFVKN
NGILPLSNECLLLIEGGTLSEICKLSNKFNSVIPVRSGHEDLELLDLSA
PFLIQGTIHHYGCKQCSSLRSIQNLNSLVDKTSWIPSSVAEALGIVPLQ
YVFVMTFTLDDGTGVLEAYLMDSDKFFQIPASEVLMDDDLQKSVDMIMD
MFCPPGIKIDAYPWLECFIKSYNVTNGTDNQICYQIFDTTVAEDVI

FIGURE 9C

ATGTCTTTGGTTCCAGCAACAAATTATATATATACACCCCTGAATCAACTTAAGGGTGGTA CAATTGTCAATGTCTATGGTGTTGTGAAGTTCTTTAAGCCCCCATATCTAAGCAAAGGAAC TTTAGTGGAAACTATGAAGCCCTTCCAATAATTTATAAAAATGGAGATATTGTTCGCTTTC ACAGGCTGAAGATTCAAGTATATAAAAAGGAGACTCAGGGTATCACCAGCTCTGGCTTTG TTTTAACTTCACTACTGAGGACCACAAAATGGTAGAAGCCTTACGTGTTTTGGGCATCTACT CATATGTCACCGTCTTGGACATTACTAAAATTGTGTGATGTTCAGCCAATGCAGTATTTTG ACCTGACTTGTCAGCTCTTGGGCAAAGCAGAAGTGGACGGAGCATCATTTCTTCTAAAGGT ATGGGATGGCACCAGGACACCATTTCCATCTTGGAGAGTCTTAATACAAGACCTTGTTCTT GAAGGTGATTTAAGTCACATCCATCGGCTACAAAATCTGACAATAGACATTTTAGTCTACG ATAACCATGTTCATGTGGCAAGATCTCTGAAGGTTGGAAGCTTTCTTAGAATCTATAGCCT TCATACCAAACTTCAATCAATGAATTCAGAGAATCAGACAATGTTAAGTTTAGAGTTTCAT CTTCATGGAGGTACCAGTTACGGTCGGGGAATCAGGGTCTTGCCAGAAAGTAACTCTGAT GTGGATCAACTGAAAAAGGATTTAGAATCTGCAAATTTGACAGCCAATCAGCATTCAGAT GTTATCTGTCAATCAGAACCTGACGACAGCTTTCCAAAATGGAGTCTCGCTTCGTCCTCCAG GCTGGAGTTCAGTGGCACGGTCTCGGCTCATTGCAGCCTCCACCTCCTGAGTTCAAGCTTC TCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCTCTGGATCAGTATCATTATACGAG GTAGAAAGATGTCAACAGCTATCTGCTACAATACTTACAGATCATCAGTATTTGGAGAGG ACACCACTATGTGCCATTTTGAAACAAAAAGCTCCTCAACAATACCGCATCCGAGCAAAA TTGAGGTCATATAAGCCCAGAAGACTATTTCAGTCTGTTAAACTTCATTGCCCTAAATGTC ATTTGCTGCAAGAAGTTCCACA

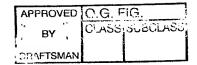


FIGURE 9D

MSLVPATNYIYTPLNQLKGGTIVNVYGVVKFFKPPYLSKGTDYCSVVTI VDQTNVKLTCLLFSGNYEALPIIYKNGDIVRFHRLKIQVYKKETQGITS SGFASLTFEGTLGAPIIPRTSSKYFNFTTEDHKMVEALRVWASTHMSPS WTLLKLCDVQPMQYFDLTCQLLGKAEVDGASFLLKVWDGTRTPFPSWRV LIQDLVLEGDLSHIHRLQNLTIDILVYDNHVHVARSLKVGSFLRIYSLH TKLQSMNSENQTMLSLEFHLHGGTSYGRGIRVLPESNSDVDQLKKDLES ANLTANQHSDVICQSEPDDSFPNGVSLRPPGWSSVARSRLIAASTS

FIGURE 9E

ATGTCTTTGGTTCCAGCAACAAATTATATATATACACCCCTGAATCAACTTAAGGGTGGTA CAATTGTCAATGTCTATGGTGTTGTGAAGTTCTTTAAGCCCCCATATCTAAGCAAAGGAAC TTTAGTGGAAACTATGAAGCCCTTCCAATAATTTATAAAAATGGAGATATTGTTCGCTTTC ACAGGCTGAAGATTCAAGTATATAAAAAGGAGACTCAGGGTATCACCAGCTCTGGCTTTG TTTTAACTTCACTACTGAGGACCACAAAATGGTAGAAGCCTTACGTGTTTGGGCATCTACT CATATGTCACCGTCTTGGACATTACTAAAATTGTGTGATGTTCAGCCAATGCAGTATTTTG ACCTGACTTGTCAGCTCTTGGGCAAAGCAGAAGTGGACGGAGCATCATTTCTTCTAAAGGT ATGGGATGGCACCAGGACACCATTTCCATCTTGGAGAGTCTTAATACAAGACCTTGTTCTT GAAGGTGATTTAAGTCACATCCATCGGCTACAAAATCTGACAATAGACATTTTAGTCTACG ATAACCATGTTCATGTGGCAAGATCTCTGAAGGTTGGAAGCTTTCTTAGAATCTATAGCCT TCATACCAAACTTCAATCAATGAATTCAGAGAATCAGACAATGTTAAGTTTAGAGTTTCAT CTTCATGGAGGTACCAGTTACGGTCGGGGAATCAGGGTCTTGCCAGAAAGTAACTCTGAT GTGGATCAACTGAAAAAGGATTTAGAATCTGCAAATTTGACAGCCAATCAGCATTCAGAT GTTATCTGTCAATCAGAACCTGACGACAGCTTTCCAAGCTCTGGATCAGTATCATTATACG AGGTAGAAAGATGTCAACAGCTATCTGCTACAATACTTACAGATCATCAGTATTTGGAGA GGACACCACTATGTGCCATTTTGAAACAAAAAGCTCCTCAACAATACCGCATCCGAGCAA AATTGAGGTCATATAAGCCCAGAAGACTATTTCAGTCTGTTAAACTTCATTGCCCTAAATG TCATTTGCTGCAAGAAGTTCCACATGAGGGCGATTTGGATATAATTTTTCAGGATGGTGCA ACTAAAACCCCAGATGTCAAGCTACAAAATACATCATTATATGATTCAAAAATCTGGACC ACTAAAAATCAAAAAGGACGAAAAGTAGCAGTTCATTTTGTGAAAAATAATGGTATTCTC CCGCTTTCAAATGAATGTCTACTTTTGATAGAAGGAGGTACACTCAGTGAAATTTGCAAAC TCTCGAACAAGTTTAATAGTGTAATTCCTGTGAGATCTGGCCACGAAGACCTGGAACTTTT GGACCTTTCAGCACCATTTCTTATACAAGGAACAATACATCACTATGGCACTGGGTATTGT ACCCCTCCAATATGTGTTTGTTATGACCTTTACACTTGATGATGGAACAGGAGTACTAGAA ATGACCTTCAGAAAAGTGTGGATATGATCATGGATATGTTTTGTCCTCCAGGAATAAAAAT TGATGCATATCCGTGGTTGGAATGCTTCATCAAGTCATACAATGTCACAAATGGAACAGAT AATCAAATTTGCTATCAGATTTTTGACACCACAGTTGCAGAAGATGTAATCTAA

FIGURE 9F

MSLVPATNYIYTPLNQLKGGTIVNVYGVVKFFKPPYLSKGTDYCSVVTI
VDQTNVKLTCLLFSGNYEALPIIYKNGDIVRFHRLKIQVYKKETQGITS
SGFASLTFEGTLGAPIIPRTSSKYFNFTTEDHKMVEALRVWASTHMSPS
WTLLKLCDVQPMQYFDLTCQLLGKAEVDGASFLLKVWDGTRTPFPSWRV
LIQDLVLEGDLSHIHRLQNLTIDILVYDNHVHVARSLKVGSFLRIYSLH
TKLQSMNSENQTMLSLEFHLHGGTSYGRGIRVLPESNSDVDQLKKDLES
ANLTANQHSDVICQSEPDDSFPSSGSVSLYEVERCQQLSATILTDHQYL
ERTPLCAILKQKAPQQYRIRAKLRSYKPRRLFQSVKLHCPKCHLLQEVP
HEGDLDIIFQDGATKTPDVKLQNTSLYDSKIWTTKNQKGRKVAVHFVKN
NGILPLSNECLLLIEGGTLSEICKLSNKFNSVIPVRSGHEDLELLDLSA
PFLIQGTIHHYGTGYCTPPICVCYDLYT

APPROVED	O.G. FIG.			
ВУ	CLASS	SUBCLASS		
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FIGURE 10A

a acgttttta attecetetteete agattttetgetetta et ett tatetgattttetgattttetgattatatttttgte agtttgtgggeaace at gtatgttttaeacattttetgattttetgattttaeacattttetgattttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgatttaeacattttetgattaeacattttetgatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacatttaeacattaeacatttaeacattaeacatttaeacattaat gtata at aga at gta a ag teta a aga teta a aga teta aga tetattcaacatgataaaaactttcatacatggtagaattaaaacagttgtacaatgaatactcaaataactaccagctagactctccaataactattttactttgtgt cattg cag cet ceace cete ctg aget to a get the cattering considering the cattering considering the cattering cattering the cattering ctttt gactaatacataaacgt gtaacccaaatccctct ag attt gct gttct agaacttt gaaaaaatt gaatcatat gtactctttt t gtatatactat at gttttt gactaatacataaacgt gtaacccaaatccctct agattt gct gttct agaacttt gaaaaaatt gaatcat at gtactcttt to gactaatacataa gtactcat gaatcat gaagagtta at cacatt gtt g catata t catta gtt t gtt t cetttt ta at geet ag teacat gat at geggt agac at ttt tett ta gat ag ga at tte ta gtt gtt at general genera cat catt tgtt tccttttt cet att agat ggett caat gtett tgt caa aaa te aage gag ta taa aat gt gg gett at gtet aggett ce att caat gett act agget ta tgt caat get ttga at g t g cata te te accatt at the test categories and the test categoriettcctttttatagGCTCTGGATCAGTATCATTATACGAGGTAGAAAGATGTCAACAGCTATCTGCTAC A Agta agact at gtat cattttt gag at ggg cac agta at gag cata at a ag tot geoteta cacttac cag cta at ceatttett tetta at ag tag aa cacta grant and grant graat at cett taa age taa aa at at gee cat at the actite the tette tettea at gt g caat gt a a a ga cacat at cttta a a ct at ta cat ga a ga gt ta t c ct g t cacat ga t g cat ta a cag t gt a c cat a a a gg a g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a ga g ct c ct t g ca a t a t g cacat ga a g cacat gacacte cag ttg ccataag cacac ctg g tg ctcag at ctt g g tttataaa ta at at ttc tct ctaaag g aat cag ag ctcct t g g tg aaa cag cag at ttc t g a cacte cag ttg ccataag cacac ctg g tg ctcag at ctt g g tt cacac ctg g tt caaa a cag taag tttttag tag ag aag t gat t ga cac tacctttac cag c t gaat taa ag ttt tag ga cac t cac ttt g tat g cac t tag can a cac t cac ttt g tat g cac t tag can a cac t cac ttt g tat g cac t tag cac t taga cat gaga atta a at gt gat a cat gg to caga att ga act t ga a a atta a a at ga at ga a atta a a at ga a atta a at ga act t gaga a att ga a atta a at ga act gaga a att ga a atta a at ga act gaga a att ga act ga a att ga act ga acgagta at gttt gtta atta atta gatta ta gatta at a atta gtta aat gtt caa ta gatta at gtt gaa aat t get gaa atta gatta at gatta at gatta gactggaggatttagaggaaaggaggcataatgtctggtagttattctcaaatgattcaataatatttatgtggtgagagacagataaagacaggcacagtga ca at gata a at gt gca aa aat gt ta ac aat t gg t ga at ctt gg t ga at at ta ta ca ga ag gt ctt t gt at t gt tit t gca at ttt cct ta a gt t ga aa gca ttt ta aa ga ag ga at tt ta aa ga ag ga aga at gaaa a a gtta aaa acttta g gtta aaa tat ga g ttt gaag ca at t g c t c t t at cact g t g t a g ca at g a cact g a

FIGURE 10B

aggctgaggcaggagaatcgcttgaacctgggaggtagaggttgtggtgagcagagatcgcaccattgcactccagcctgggcaacaagagggaaacteegteteegaaaaaaaaaaaaaaaaaaccacaategeeaccacaacaaaatgtteeactgtaataaatgtteeactetgatgtaataaatgtteeactet aga att t cattgg atta a agct cag tactga a agga att g to the gradual transfer of the control ofa caa g taget g aggagac ctatt g tacet at ttteccag g caatt g cteet at g ctttt g tet g ag ttttttte cagt tt g actea act te ctet ta ttttte ctet can be a caa g taget g aggagac ctatt g tacet at tttte ctet can be a caa g taget g aggagac ctatt g tacet at tttte ctet can be a caa g taget g aggagac ctatt g tacet at tttte ctet can be a caa g taget g aggagac ctatt g tacet at tttte ctet can be a caa g taget g aggagac ctatt g tacet at tttte ctet can be a caa g taget g aggagac ctatt g tacet g aggagac ctatt g taget g aggagac ctatt g aggagac ctatt g taget g aggagac ctatt g agattctgattgaatataaaaaattctttacag TACTTACAGATCATCAGTATTTGGAGAGGACACCACTATGTGCCATTTTGAAACAAAAGCTCCTCAACAATACCGCATCCGAGCAAAATTGAGGTCATATAAGCC CAGAAGACTATTTCAGTCTGTTAAACTTCATTGCCCTAAATGTCATTTGCTgtgagtattttccataataa aa caa acgtttt catattatttgtgtgtatatgtaca catatgtata attttgtgtcttaggaataagtaa attgttaatatatattattttgcaagaatggtaaalung ta acgument at ta accompanies of the companies of the comcaa at gagaa at aataa at gat gaa at at at tit gg g caga ct cattig t cacaga ag ta tottot gaa at ta aa cott ta ta ac tit at ta ac tig aa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac tit at ta ac tig aa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag ta cottot gaa at ta ac cottot gaa at tit tig aa ag gag tit cacaga ag tit cacagaattgaga atttct cagtge cttta et et gaa cate agtgattata taa atatgta ataa atgtata taa actgtttt gtaa teettta et acataa tegget caa gae attgaga attte cagtge cttta et et gaa cate agtgattata at actgtata at actgttt gtaa teetta et actgaga cate agtgaga at the captain of the control of the control of the cate agtgaga at the captain of the cate agtgaga at the cate agtgaga atat at that tag ttt again general terms of the control of the conact gact cate tacat g taaga at gata cttttta att t gata actt g taa at t gata at t taaga cate at taaTCAAAAAGGACGAAAAGTAGCAGTTCATTTTGTGAAAAATAATGGTATTCTCCCGCTTTCA tt cata a att ta tetta atta cattiga a attiga a attiga cate a ag tigata a cattiga cattita attiga attiga attiga cattiga attiga aat caa aat caa agaa agaa caattgaa acaagtaa agataa cttgacaagttttaa at gaa at ttat cat gttt ggttttt catttt catttt catttt cat ttt cat tat ctc atttatctaaaa at at gtact gtgaattttttttcat ggcaaattta gagtttttctta aggettetet teetet gtaacetttte att gtttttctta aggettteet teete gtaacetttte att gtttttet taa ggetteet teete gtaacett gtaacett gtaacett gtaacett generalise genctttg agtgataatggtttgttagtaatgtaaagtgtggactttgagtgataatggtttgttactaatgtaaactgtggactttgagtgataatggttttttaaaatggtttgttactaatgtaaactgtggactttgagtgataatggttttttaaaatggtttgttactaatggactttgagtgataatggttttttaaaatggtttgttactaatggactttgagtgataatggttttttaaaatggtttgagtgataatggtttgttactaatggactttgagtgactttgagtgataatggttttttaaatggactttgagtgataatggtttgagtgataatggactttgagtgataatggatatttttattttatgtttctaagtattataacctggaccaagggctaggatcttactgcagtatggcactgctctggttaggaagtaacaaaatcaaaaactgacctgacctgctctggttaggaagtaacaaaatcaaaaactgacctgacctgctctggttaggaagtaacaaaatcaaaaactgacctgacctgctctggttaggaagtaacaaaaatcaaaaactgacctgacctgctctggttaggaagtaacaaaaatcaaaaactgacctgacctgctctggttaggaagtaacaaaaatcaaaaactgacctgacctgacctgctctggttaggaagtaacaaaaactgacct

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FIGURE 10C

gttgacactattttattgtgaccatagtttacattagggttcactcattctgctttacagttctttatgttttgacaaatgcagaataccatgtacccaccattagaattagaattaggattagaattaggccagg cat cat ggt gcatacct gta at ccca actact cgg gagg ct gagg cag taga at ggct tga acccg gg gagg cgg aggt tg cgg taga ccg gagg ctg gag cgg aggt tgag ccg gagg ctg gagg ctgaa atccaa caa aa atatagat caca atttt gtta gcttta tatcta ag tattttcttttttggtgctaattattta at gttaa attcaa actttgattatttattgcttat gtaattattat gcttat generalise actual generalise generalisetttatcccag tottaggtggaaagtgtcaccattaaatgtaattttagctgtggctattttatcgatgttctttatcaagttgaagaagttccccaatattcctagttunder and the second control of the secondcatta attgatttt gaggtgttt aaccageett geet acctaa aata aatete atttggte atggtgaata attattte tittit gatte aattittaaataettiet gaggatgatta attattite tittit gatte aattittaaataettiet gaggatgatta aattattite titti gatte aattattit gatte aattattit gatte aattattite gatte aattattit gatte gatte aattattit gatte gattgattattattattgatttaatttctctatagacatagacctattcagattatctgtttctccttgtgtgagttttgatagattatgcctttcaagaaatggaaccattttcca attga attga atcca atttgtatgga actcta atgtca ctga atcatttat cata at atttattatta ataccta ta atttatta ctga at atgtca ctga consideration and attact at a transfer of the consideration at a taa attgetete agttaggat getetee agatacaa accttgagaa at getagtat geacatatatacat getagat getettett tette getet attende to the control of the cat cacta a a a tattgat a gta a tattgat a gta a tattgat a gta a tattgat a tattgat a tattgat a gta a tattgat a gta a tattgat a tattgat a gta a gta a tattgat a gta a tattgat a gta a gta a tattgat a gta a gta a tattgat a gta a gtagcaa at ggggaa act gt tatacca g a gt tta a gt a act t gacca a ggt t gt ca g ct tat g t g ca g a g cca a act c g t g t g a ct g g ca a t g g ca a act g g g a act g t g a ct g g ca a t g g g a act g g g a a ct g g g a act g g a act g g g a act g g a act g g a act g g g a act g a act g a act g g a act g a acaga atteta aaa aaggtttta cagtttttge caatattetta et get gt tatag te aagtg te ttt t gg at gt eet caetet get at ae caga ag t get te te et to te to the tataget gas and the tataget gas ag to the tensor of the tataget gas ag to the tataget gas aga agta a a agga cact g cott cta at a at g g at g coatt g g a catact tete ag ce ag cet g g te at t t g a at g cet to the catact g and the catCAAGTTTAATAGTGTAATTCCTGTGAGATCTGGCCACGAAGACCTGGAACTTTTGGACCTTT tta agttet ggggte at gtget gaac at ggaggttt gtta egt ag gtatae ac gtget at ttg tggttt get geae ceate aac ee gte ac ttg tggt get gedeen total gedeen the state of the state oatgagtgagaacatgcagtgtttggttttctgttctggtgttagtttgctgagaatgatggtttccggctttatccatatgcctggcaaggacatgaactcatculous atgagtgagaacatgcagtgtttctggtgtttggttttctggtgttagtttgctgagaatgatggtttccggctttatccatatgcctggcaaggacatgaactcatculous atgagtgagaacatgaacatgcagtgtttcggtgtttggttttctggtgttagtttgctgagaatgatggtttccggctttatccatatgcctggcaaggacatgaactcatculous atgagtgagaacatgaacatgcagaacatagaacatgaacatgaacatgaacatgaacatgaacatagaacatgaacatgaacatagaacatgaacatgaacatagaacatgaacatagaacatgaacatagaacatgaacatgaacatagaacatagaacatagaacatagaacatagaacatgaacatagaacatagaacatagaacatagaacatagaacatagaacatagaacatagaacatgaacatagaacatgaacatagaacatgaacatagaacatctttttttggctgcatagtattccatggtgcgtatgtgccacattttcttaatccagtctatcactgatggacatttggtatagttccaggtctttgctattgtgaatuttttttggctgcatagtagtgctgcaataaacgtacatgtgcatgtgtctttatagcagaatgatttataatcctttgggtatatacccagtaatgggattgctggatcaaatggtatttctcaag catct gtt gtttcct gactttttaat gatcgccattctaag t ggcgt gag at ggt at ctcatt gt ggtttt gattt gcatttctctaat gatcag t gacatt gatched gatchectctttagtttaattaggtcccatttgtcaattttggcttttattgccttttggtgttttagacatgaagtctttgcccatgcctatgtcctgaatggtattgcccatttgttagacatgaagtctttgcccattgcctatgtcctgaatggtattgcccattgcctattgcccattgcctattgcccattgcctattgcccattgccattgcccattgcccattgcccattgcccattgcccattgcccattgcccattgccattgcccattcaggtttccttctaggatttttatggttttaggtcttacatttaagtctttaatccatcttgagttgatttttgtataaggtgtaaggggatccagtttcagttttctgc

FIGURE 10D

cttatatgtactaggtttttctggcatatatctgttcttttgataagcatatatagtgagagtacacgcaatgtgtgaggcataaggctgctgtcttttgattcctc agccagaggctggtactcacttgttttctttaacagtgaggatttagattccagttacagagaaaaattcagagctgcaaacctagtaaaaattaagtgattcgcat gat acctecct a att gt gt gg taa ag te act gt tag ge att geect et gt ect te caa cat at ea aa att tag ge at aa ag t gat ag ge at geect geect ge act gat act ge act geattttta atta agcca atta atta aa aa atta aa aa ctca ta aa aatt cagtttttcttgta ta ata ag t cactga get tte tettttt ge at get cateet eget cacttga act to a comment of the comgcat gat ct cage teact geaacetet gcet cee egg tt caage gat te teet gte teace cee egg egg at geae eggtetttttteteagaggtagetaetttteeaaacttggattaaateetteteateaatgtttttatgeetteattatatgtgtgaactettaageagtatggeatattttteeaaatgtttttatgeetteattatatgtgtgaactettaageagtatggeatattttteeaaatgttttteeaaatgttttteeaaatgttttteeaaatgtttttatgeetteaatgtgtgaactettaageagtatggeatattttteeaaatgtttttatgeetteaatgtgtgaactettaageagtatggeatattttteeaaatgtttttatgeetteaatgtgtgaactettaageagtatggeatattttteeaaatgtttttatgeetteaatgtgtgaactettaageagtatggeatattttteeaaatgtttttatgeetteaatgtgtgaactettaageagtatggeatattttteeaaatgtttttatgeetteaaatgtttttaageagtatggeatatttttaageagtatggeatatttttatatgtgaactettaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatattttaageagtatggeatatttttaageagtatggeatatttttaageagtatggeatattttaageagtatggeatatttttaageagtatggeatattttaageagtatggeatattttaageagtatggeatattttaageagtatggeatattttaageagtatggeatattttaageagtatggeatattttaageagtatggeatattttaageagtatggeatattttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatggeatatttaageagtatggeatatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtattaageagtatggeatatttaageagtatggeatatttaageagtatggeatatttaageagtattaageagtatggeatattaageagtatggeatatttaageagtatggeatattaageagtattaageagtatggeatattaageagtattaageagtattaageagtattaageagtattaageag ${f a}$ ctcataa ${f a}$ taaaag ${f c}$ ttaaaattttagttttaatagtggagtttaaatatgtt ${f c}$ ttaagttattgatatatttagtttatgtttctaatttttictgtttccccttt tgatgatgcataataaaaaaaaaaaataactcatagttaaaaatatgttggtattcaagtaaagcaaaataactgtactacacaatgcacaactttagtgtattgtgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtgtattgtattgtgtattcccagtactttgggaggccaaggcaggcaggttgagctcaggagttgagaccagcctgggcattgtggcaagaccctgtctctataaaattacaggagttgagaccagcctgggcattgtggcaagaccctgtctctataaaattacaggagttgagaccagcctgggcattgtgggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtgggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtgggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtgggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtgggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtggcaagaccctgtctctataaaaattacaggagttgagaccagcctgggcattgtggcaagaccctggtctctataaaaattacaggagttgagaccagcctgggcattgtggcaagaccctggtctctataaaaattacagaaccagcctgggcattgtgagaccagcctggcattgtggcaagaccctggtctctataaaaattacagaaccagcctggcattgtgagaccagcctggcattgtgagaccagaaccagcctggcattgtgagaccagcctggcattgtgagaccagaaccagcctggcattgtgagaaccagcctggcattgtgagaccagaaccagcctggcattgtgagaaccagcctggcattgtgagaccagaaccagcctggagaaccaaaaat cacc cag g cat g g t g t g caact g t g g t t ctag ctact t g g aa g g t g a g g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g a g g g t g atetga at ctt at act g tettttttatt g ecettat g ta at a agetta ctettt cata at tetet t g t g a a a ca a a ca age a cata ca at a ta g g g g at g ca g ta te cata ca a ta $_{
m g}$ ATGTAAACAGTGTTCTAGTTTGAGATCCATACAAAATCTAAATTCCCTGGTTGATAAAACA

FIGURE 10E

atta at g t ct g tt g tat g t ct g t ta g t tat g t tagct at ttttttttggt at tttttagt agaga cagggttt cat cat gttgg ccaggct ggt cttgaact cct caa gat ccg cccaggt gat ctg cccacct cag cccaggt gat ctg cccaggt gateccaa agtgetgagaata caggtgtgagggtgt caacttattttaa at acgttaa tatttaat caaa aa agattaa attgettat cataa gatattet cectatgtaa tattaa agattaa attgettaa attgettaa tattaa agattaa attgettaa tattaa agattaa attgettaa attgettaa agattaa attgettaa attaggtatagtgaaatattccaaaatgaatctgctaaatgagcttaattataggttgagtatctgtggagttaaaaaacacaaactgtcctctgctctgccaccacttta acttta ccttgata at aaggaa tag cag act cat at ggttt gat cttttttt cctt cact ag CACTGGGTATTGTACCCCTCCAATATGTGTTTGTTATGACCTTTACACTTGATGATGGAACAGGAGTACTAGAAGCCTATCTCATGG ctcccgggttcaagcagttctctgcctcagcctcccaagtagctgggattgcaggtatgcaccaccacgcccagctaatttttgtatttttgtagagacaggacaggattgcaggttcaagcaggattgcagggtttcaccatcttggccaggctggtcttgaactcctgacctcatgatccaccacccttggcctcccaaagtgctgagattacaggcgtgagccaccgt atactgacagttacagattattacagctaaaggatgtacattaaaatcagataatgaaagagatgtataggacagagtccaggaaagttccagacatgga acttatagttgtcctctccccatagagttgtggactgttactttccctgcaacagtgtgtagcagtatacataatatattgccagatagggaagctctgctaaa agattttagtgggactctatcacgtaggtatggttgactgcccatatggctgatcatagtcttcagcccctcttgagatcaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccaagctgataccacatgctccacatagctccacatagctccacatagcgttccaca agcta aggtca aagcccagacctctct tagggtaa agttaa aatgtttactacatggattggaa aagatctgagttatagttgagaggagaatggagaatggagaa aggtaa aggtcacatggagagaatggaatggagaatggct caa agct att tta agatta aa gagta aa taa gatt ttg gagt tg agac cag catt ctag att ta tagaat tcta caa tct tg at agag gaa ac t g tctag att agatt tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tct tg at agag gaa ac t g tctag at tagaat tctacaa tctag at tagaat tctacaa tctag at tagaat tctacaa tctag at tagaat tctacaa tctag at tagaat tctag at tagaat tctacaa tctag at tagaat tctag at tagaat tctacaa tctag at tagaat tctetttta att ggacaa tatt gaaa tat gt gt taataa taataa taataa tattat tatt teetti tittittet et et gaaa catttta ag GACAAATTC tettta att gaaa tatt gaaa tatt gaaa tattat tatt teetti tittittet et et gaaa catttta ag GACAAATTC tettta att gaaa tatt gaaaTTCCAGATTCCAGCATCAGAAGTTCTGATGGATGATGACCTTCAGAAAAGTGTGGATATGA gca catttga cattgt cat gcta caa gcatttt ag ttga aatta ga ccaa aa gtgat ga attgttgg cag taa acatttt ctgta acaa act ccaatta tccaa ta gcacattt ga acattgt cattgt cat gcacatt ga acattgt cat gcacatt ga acattgt cat gcacatt ga acattgt gatta att catggatta atttttttatttattgtta act agttt cagatttta caagettttgtttta cea attttttgtgagetttgttttetgeataaa catttgatta ataaa catttgatta ataaa catttgatta attaataaa catttgatta ataaa cattta ataa catta ataa cattta ataa catta at

APPROVED	O.G. FIG.			
BY	CLASS	SUBCLASS		
DRAFTSMAN				

FIGURE 10F

agagttatttattttgttttaatggttaaatcgctttttttgtttttgtttttgtttttgtag ATGCATATCCGTGGTTGGAATGCTTCATCAAGTCATACAATGTCACAAATGGAACAGATAATCAAATTTGCTATCAGATTTTTTGACACCACAGTTGCAGAAGATGTAATCTAA tattgccatcca atttag catacataa aa tgttgccactca cettccctgtttgagcttcttttcctgacctgaattag catacataa catacataa aa tgttgccactca cettccctgtttgagcttcttttcctgacctgaattag catacataa aa tgttgccactca cettccctgattag catacataa aa tgttgccactca cettccctgattag catacataa aa tgttgccactca cettccctgattag catacataa aa tgttgccactca cettcacctgattag catacataa aa tgttgccactca cettcacctgattag catacataa aa tgttgccactca cettcacctgattag catacataa aa tgttgccactcacataa aa tgttgccacataa aa tggttttgtatcagcaatgttgatgatgttagcatgggtatgggattagaaaatgtccttaccttaaatctcttggcttttactgggtgcaaggtaaataatggctattgccctaagttgagctgaaaaatgatatgaggcaaagaatcgaaataggtgtggcaatgcagcagatgtttagggctgtctacatcccaggtactgtgcagatgttagggctgtctacatcccaggtactgtgcagatgttagggcagatgtttagggctgtctacatcccaggtactgtgcagatgttagggcagatgtttagggctgtctacatcccaggtactgtgcagatgttagggcagatgtttagggctgtctacatcccaggtactgtgcagatgttagggcagatgtttagggctgtctacatcccaggtactgtgcagatgttagggcagatgtttagggctgtctacatcccaggtactgtgcagatgttagggcagatgtttagggcagatgttagggcta ag cacta a acat g tatt t g at cete cacage a acctat tttt te c g at a ag a a act g ag get t g at tag at tag act g actgata act gactttctttgctcata ataactcta aattctagttcctgagta cattaaca catcttctttacctaactacca at gtcccccatcatcgacttatcagcacttatcag



Alternative forms of hPot1

partial genomic DNA lacking N-terminus

5 (119)	6 (56)	7 8 (156) (205)	9 (135)	10 (88)		13+3'UTR (112+702)
1. 7	1					

splice variant #1: 72kDa protein lacking exon 5

splice variant #3: 38kDa protein containing exon 5

splice variant #4: 58kDa protein lacking exons 5 and 10